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Declassification Review by NGA

1967 JUL 20 23 01Z

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PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF
 AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-970, 18 JUL 67.

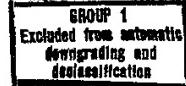
((TEXT WHICH FOLLOWED IDENTICAL TO ABOVE CITED MISSION))

SECRET

END OF MESSAGE

S/C NOTE: ALSO [REDACTED]

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25X1**1***All w/text***SECRET**

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF
AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-970, 18 JUL 67.
THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE
COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE
APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--
C @CLEAR#, SC @SCATTERED CLOUD COVER#, HC @HEAVY CLOUD COVER#,
H @HAZE#, CS @CLOUD SHADOW#, SD @SEMI-DARKNESS#, GC
@GROUND COVER#, CF @CAMOUFLAGE#, O @OBLIQUITY#, AND
GR @GROUND RESOLUTION#.

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS
G @GOOD#, F @FAIR#, OR P @POOR#. THE EXTENT OF
TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL#
OR PT @PARTIAL#. THE MODE OF COVERAGE IS SIGNIFIED
BY ST @STEREO#, NS @NONSTEREO#, OR PS @PARTIAL STEREO#.
AAA DEFENSES ARE DIVIDED INTO FOUR BASIC CATEGORIES -- LIGHT
@21-76 MM#, MEDIUM @76-100 MM#, HEAVY OVER 100 MM#, AND AUTOMATIC
WEAPONS @ZPU-1, ZPU-2, AND ZPU-4#. IF THE CATEGORY CANNOT BE
DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER
OF GUNS INDICATED @EXAMPLE -- 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED#.

ITEMS OF SPECIAL INTEREST

A NEW FIELD-DEPLOYED SA-2 SAM SITE IS OBSERVED 1.6 NM WEST OF MOA
AT 20°39'19N 074°58'29W QUTM 18QWT027838#.

A NEW PERMANENT, REVETTED SA-2 SAM SITE IS UNDER CONSTRUCTION
11 NM WEST OF HOLGUIN AND 1.7 NM SW OF HOLGUIN SAM SITE B27-2 AT
21°51'00N 076°27'45W QUTM 18QUU478061#.

MISSILES

CIFUENTES SAM ASSEMBLY AREA CU 2236N 08005W
OB -- NONE OBSERVED.

25X1

HOLGUIN SAM SITE B27-2 CU 2052N 07627W
OB -- 6 EMPLACED LAUNCHERS @4 WITH MISSILES#, 1
ADDITIONAL LAUNCHER, 7 MISSILE TRANSPORTERS, A GUIDANCE
AREA WITH RADAR AND 7 ASSOCIATED VAN TRAILERS, 9 CARGO
TRUCKS, AND 3 OTHER VAN TRAILERS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

HOLGUIN AIRFIELD SAM SITE CU 2046N 07619W
SITE REMAINS VACATED.
ACTIVITY -- 9 CARGO TRUCKS.

25X1

RANCHUELO SAM SITE A33-2 CU 2223N 08019W
SITE REMAINS OCCUPIED.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTA CLARA SAM SITE A34-2 CU 2229N 08000W
SITE REMAINS OCCUPIED.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTIAGO DE CUBA SAM ASSEMBLY AREA CU 2004N 07553W
OB -- 1 MISSILE ON DOLLY, 6 MISSILE TRANSPORTERS, 3

CANISTER TRANSPORTERS, NUMEROUS MISSILE CANISTERS #3
TRACTOR-TRAILER TRUCKS, AND 18 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA SAM SITE 2 CU 1958N 07549W
CONSTRUCTION CONTINUES.
OB -- NONE OBSERVED.

25X1

LA VEGUITA SAM ASSEMBLY AREA CU 2049N 07615W
OB -- 1 PROBABLE MISSILE TRANSPORTER, 5 LOWBOY TRAILERS
#1 WITHOUT PRIME MOVER#, 9 CARGO TRUCKS, AND NUMEROUS
MISSILE CANISTERS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SAN PEDRO DE CACOCUM SAM SITE 2 CU 2045N 07615W
OB -- 6 EMPLACED LAUNCHERS #AT LEAST 2 WITH MISSILES#,
A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 1 VAN
TRUCK, AND 3 VAN TRAILERS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

LA MATA SAM SITE CU 2014N 07549W
SITE REMAINS OCCUPIED.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

MOA SAM SITE CU 2039N 07458W
A NEW FIELD-DEPLOYED SA-2 SAM SITE IS OBSERVED 1.6 NM
WEST OF MOA AT 20-39-19N 074-58-29W @UTM 18QWT027838#.
OB -- 6 EMPLACED LAUNCHERS #5 WITH MISSILES#, 8 MISSILE
TRANSPORTERS #4 WITH EXPOSED MISSILES#, A FAN SONG
RADAR WITH 6 ASSOCIATED VAN TRAILERS, AND 2 ADDITIONAL
PROBABLE VAN TRAILERS, AN ACQUISITION RADAR WITH
ASSOCIATED GENERATOR VAN, AND AT LEAST 8 CARGO TRUCKS.
FACILITIES INCLUDE 3 LARGE NON-SOVIET-TYPE TENTS AND 5
CANVAS-COVERED PROBABLE STORAGE AREAS.
@MAP REFERENCE -- AMS SERIES E723, SHEET 5277-IV, 1ST
ED. #

25X1

HOLGUIN SAM SITE WEST CU 2051N 07627W
11 NM WEST OF HOLGUIN AND 1.7 NM SW OF HOLGUIN SAM SITE
B27-21 AT 20-51-08N 076-27-45W @UTM 18QIU478061#.
A PERMANENT, REVETTED SA-2 SAM SITE IS UNDER
CONSTRUCTION WITH 6 LAUNCH REVETMENTS IN EARLY STAGES
OF CONSTRUCTION.
OB -- NONE OBSERVED.

@MAP REFERENCE -- AMS SERIES E723, SHEET 4978-IV, 1ST
ED. #

25X1

CAMILO CIENFUEGOS AIRFIELD AIR FACILITIES CU 2229N 07956W

OB -- 8 SMALL SWEPT-WING AND 1 MEDIUM STRAIGHT-WING AIRCRAFT.

25X1

CAMAGUEY INTERNATIONAL AIRFIELD CU 2125N 07750W

OB -- 3 LATSON AND 13 HOUND.

25X1

HOLGUIN AIRFIELD CU 2047N 07618W

OB -- 9 FISHBED, 12 FAGOT/FRESCO, 1 CRATE, 1 MORAVA L-200 AND 1 HOUND.

CONSTRUCTION OF AIRCRAFT REVETMENTS CONTINUES.

25X1

LOS CANOS AIRFIELD CU 2005N 07509W

OB -- NONE OBSERVED.

25X1

ANTONIO MACEO AIRFIELD CU 1958N 07550W

OB -- 1 CRATE AND 2 C-47.

25X1

CORONEL PASCUAL AIRFIELD CU 2307N 08117W

OB -- NONE OBSERVED.

25X1

BAYAMO AIRFIELD EAST CU 2022N 07637W

OB -- 2 COLT AND 1 HOUND.

25X1

BAYAMO AIRFIELD CU 2023N 07637W

OB -- NONE OBSERVED.

25X1

NAVAL ACTIVITY/PORTS

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 2001N 07550W

OB -- NONE OBSERVED.

OTHER VESSELS -- 7 LARGE FREIGHTERS, 2 COASTAL FREIGHTERS, AND 2 LARGE TANKERS.

25X1

MANZANILLO PORT CU 2021N 07707W

VESSELS -- NONE OBSERVED.

25X1

NUEVITAS PORT CU 2132N 07715W

VESSELS -- 3 LARGE FREIGHTERS.

25X1

LA ISABELA PORT CU 2256N 08000W

VESSELS -- 3 LARGE FREIGHTERS.

25X1

CAIBARIEN PORT CU 2231N 07928W

VESSELS -- 3 LARGE FREIGHTERS.

25X1

CARDENAS PORT CU 2302N 08111W

VESSELS -- 1 LARGE FREIGHTER AND 1 PROBABLE COASTAL FREIGHTER.

25X1

ELECTRONICS/COMMUNICATIONS

HOLGUIN EW/GCI RADAR SITE CU 2048N 07618W

OB -- 1 TOKEN-CONFIGURED RADAR AND 1 VAN TRUCK.

25X1

PUNTA MAISI LOW SIEVE RADAR SITE CU 2014N 07409W

OB -- 1 LOW SIEVE RADAR.

25X1

VARADERO LOW SIEVE RADAR SITE CU 2311N 08108W

OB -- NONE OBSERVED.

25X1

SAGUA LA GRANDE EW/GCI RADAR SITE 2 CU 2248N 08006W

OB -- NONE OBSERVED.

ACTIVITY -- 6 VAN TRAILERS, 2 VAN TRUCKS, AND AN OCCUPIED 6-GUN AAA SITE

25X1

HOLGUIN AIRFIELD RADAR SITE SW CU 2045N 07621W

OB -- 1 TOKEN-CONFIGURED RADAR AND 16 OTHER VEHICLES OBSERVED.

25X1

MILITARY ACTIVITY

ALTO PEDRO MILITARY CAMP CU 2029N 07600W

OB AREA 1 -- 16 PROBABLE TANKS/SP GUNS AND 15 OTHER VEHICLES. AREAS 2-9 -- IDENTIFICATION ONLY.

NO APPARENT CHANGE IN FACILITIES.

25X1

DOS CAMINOS MILITARY CAMP CU 2014N 07547W

OB -- 38 FA PIECES, 6 AAA PIECES, 32 PROBABLE AT-S TRACKED PRIME MOVERS, AND 66 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1

GUANTANAMO AREA CU 2018N 07525W

NO NEW MILITARY ACTIVITY OBSERVED.

AREAS 1 AND 9 -- 10 PERCENT USEABLE COVERAGE.

AREA 2 -- 40 PERCENT USEABLE COVERAGE.

AREA 3 -- 20 PERCENT USEABLE COVERAGE.

AREAS 4, 5, 7, AND 8 -- NO USEABLE COVERAGE.

AREA 6 -- 60 PERCENT USEABLE COVERAGE.

25X1

HOLGUIN MILITARY CAMP CU 2053N 07613W

OB -- 9 TANKS/SP GUNS, 14 FA PIECES, 11 BTR 60-P, AND AT LEAST 49 CARGO TRUCKS OBSERVED IN CLOUD-FREE AREAS.

25X1

REMEDIOS MILITARY AREA CU 2227N 07935W

OB -- AT LEAST 50 CARGO TRUCKS, 15 OTHER VEHICLES, AND 12 UNIDENTIFIED PIECES OF EQUIPMENT OBSERVED IN

CLOUD-FREE AREAS.

NO APPARENT CHANGE IN FACILITIES.

25X1

CORRALILLO MILITARY AREA CU 2301N 08038W

OB -- 3 TANKS/SP GUNS, 2 FA PIECES, 1 MORTAR, AND 11 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1

CUABIAS MILITARY CAMP CU 2003N 07548W

OB -- 19 TANKS/SP GUNS AND 2 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1

LA QUINTA MILITARY CAMP CU 2002N 07551W

OB -- 4 PROBABLE AAA PIECES AND 17 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1

MINAS MILITARY CAMP CU 2127N 07734W

OB -- 18 TANKS/SP GUNS, 28 CARGO TRUCKS, AND 3 OTHER VEHICLES/PIECES OF EQUIPMENT.

NO APPARENT CHANGE IN FACILITIES.

25X1

OFELIA MILITARY CAMP CU 2006N 07530W

OB -- 22 TANKS/SP GUNS, 10 FA/AAA PIECES, AND AT LEAST 25 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA MILITARY CAMP NW CU 2003N 07554W

OB -- 6 FA PIECES, 9 AAA PIECES, 3 PROBABLE MORTARS, AND 45 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA MILITARY CAMP CU 2003N 07553W

OB -- 54 FA PIECES, 2 AAA PIECES, 18 MORTARS, 95 CARGO TRUCKS, AND 1 UTILITY TRUCK.

NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE CUBA MIL CAMP SAN JUAN HILL CU 2001N 07547W

OB -- 27 FA PIECES, 3 AAA PIECES, 24 MORTARS, AND 11 CARGO TRUCKS.

NO APPARENT CHANGE IN FACILITIES.

25X1

LA CHARCA MILITARY ACTIVITY CU 2246N 08036W

OB -- AT LEAST 40 VEHICLES/PIECES OF EQUIPMENT OBSERVED IN CLOUD-FREE AREAS.

NO APPARENT CHANGE IN FACILITIES.

25X1

PLAYA YATERITAS LANDING BEACH CU 1958N 07457W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1

IMIAS LANDING BEACH CU 2005N 07440W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

MOA PUNTA GORDA LANDING BEACH CU 2039N 07453W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

GANUZI LANDING BEACH CU 2305N 08030W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

MOA DE ANANOVA LANDING BEACH CU 2039N 07582W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

PENINSULA DE HICACOS LANDING BEACH CU 2311N 08130W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

-STATUS OF OTHER TARGETS-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

PUERTO PADRE MILITARY AREA 2111N 07639W

NICARD LANDING BEACH 2042N 07533W

CAYO DE SABINAL LANDING BEACH 2144N 07728W

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

SANTA ISABEL DE LAS LAJAS SAM SITE A35-2 2228N 08018W

LA ESPERANZA SAM ASSEMBLY AREA 2227N 08008W

SANTA CLARA EW/GCI RADAR SITE 2229N 07956W

MARTI ARMOR TRAINING AREA 2258N 08059W

SANTA CLARA ARTILLERY TRAINING AREA 2222N 08000W

LAS MERCEDES VEHICLE PARK 2224N 08001W